IN THE CLAIMS:

Please amend the following claims:

1. (cancelled)

2. (cancelled)

3. (cancelled)

4. (cancelled)

5. (cancelled)

6. (cancelled)

7. (cancelled)

8. (cancelled)

9. (cancelled)

10. (cancelled)

11. (cancelled)

12. (cancelled)

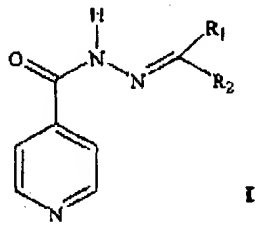
13. (cancelled)

14. (cancelled)

15. (cancelled)

16. (cancelled)

17. (amended) A method for producing an antimycobacterial compound of the formula:



I

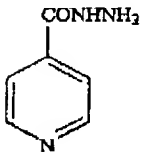
wherein R_1 is H; and

wherein R_2 is phenyl, substituted phenyls, napthyls ~~and~~ or substituted napthyls or

wherein R_1 when taken together with R_2 form optionally substituted carbocyclic groups;

which comprises:

refluxing



(1)

with absolute ethanol to produce a solution;

adding a carbonyl compound comprising the formula of:

R_3COR_4 (2)

wherein R_3 = H; and

wherein R_4 = ~~C_1 to C_{14} alkyl, C_2 to C_{10} substituted alkyl, C_2 to C_{10} alkenyl, C_2 to C_9 substituted alkenyl, C_2 to C_9 substituted dialkenyl, C_3 to C_7 cycloalkyl, C_3 to C_7 substituted cycloalkyl, phenyl, substituted phenyl, C_7 to C_{16} phenylalkyl, C_7 to C_{16} substituted phenylalkyl, benzyl, substituted benzyl, naphthyl, substituted naphthyl, heterocycle, substituted heterocycle, halo, hydroxy, amino, or carboxy~~ phenyl, substituted phenyle, napthyls and substituted napthyls ; or

wherein R_3 when taken together with R_4 form ~~C_4 to C_8 cycloalkyl or C_4 to C_{10} substituted cycloalkyl~~ optionally substituted carbocyclic groups;

to the solution to produce a reaction mixture, the reaction mixture having a mole ratio of carbonyl compound to compound (1) of 1.67 to 1.00;

distilling the reaction mixture;

precipitating a solid from the reaction mixture;

filtering the solid; and

drying the solid to obtain **I**.

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (cancelled)

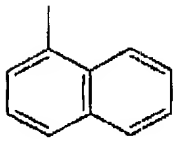
23. (cancelled)

24. (previously added) The method of claim 17 wherein R_2 of compound **I** is phenyl substituted with 1 to 3 substituents selected from the group consisting of a halogen, a hydroxyl, a methoxy, a benzyloxy, a phenoxy, a trifluoromethyl, an isopropyl, and a thiomethyl group.

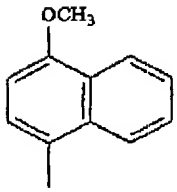
25. (amended) The method of claim ~~24~~ 17 wherein R_2 of compound **I** = 4-*iso*-$C_3H_7C_6H_4$, 2,5-di(Cl)C_6H_3, 2,3,5-tri(F)C_6H_2, 2-F-4-$CF_3C_6H_3$, 3,4,5-tri(F)C_6H_2, 2-Cl-6-CH_3O-*iso*-C_9H_4N, 2-F-3-Cl-6-$CF_3C_6H_2$, 2,4-di(CF_3)C_6H_3, 2,6-di(F)-3-Cl-C_6H_2, 2-F-3-Cl-5-CF_3-C_5H_2, 2-F-5-Br-

C_6H_3, 2-CH_3S-C_6H_4, 2-O-$C_7H_7C_6H_4$, 3-O-$C_7H_7C_6H_4$, 4-O-$C_7H_7C_6H_4$, 2,4,5-tri(F)C_6H_2, 2-F-5-I-C_6H_3, 2,3,4-tri(OH)C_6H_2, 4-C_6H_4-CH=NNHCO-4-C_5H_4N, 4-C_6H_4-O-$CH_2CH_2CH_2CH_3$, 4-$C_6H_4NO_2$, 2-C_6H_4OH, 4-OH-3-$OCH_3C_6H_3$, 4-$C_6H_4OCH_3$, 3-$C_6H_4OCH_3$, 4-C_6H_4F, 3,5-di(CH_3)-4-O-C_7H_7, 2-F-4-$OCH_3C_6H_3$, 2-ClC_6H_4, 4-BrC_6H_4, 3-$C_6H_4NO_2$, 4-$C_6H_4O(CH_2)_5CH_3$, 2-Cl-5-$NO_2C_6H_3$, 4-Cl-3-$NO_2C_6H_3$, 2-$C_6H_4NO_2$, 2-6- di(Cl)C_6H_3, 2,3-di(Cl)C_6H_3, 3,4-di(F)C_6H_3, 2,6-di(F)C_6H_3, 3,4-di(Cl)C_6H_3 or 4-C_6H_4Cl.

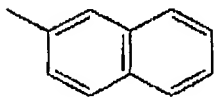
26. (previously added) The method of claim 17 wherein R_2 of compound I =



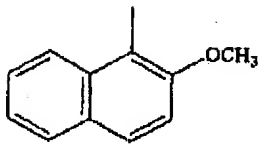
,



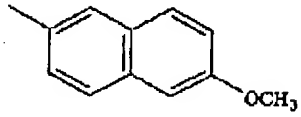
,



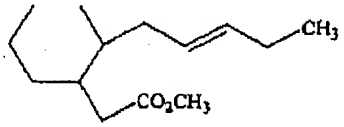
,

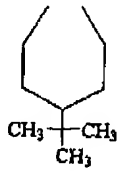


or

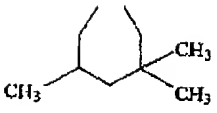


27. (amended) The method of claim 17 wherein R_1 when taken together with R_2 and R_3 when taken together with R_4 form ~~of compound I is~~



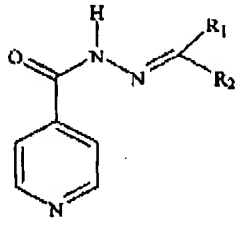


or



28. (added) The method of claim 17 wherein R_1 taken together with R_2 and R_3 taken together with R_4 form C_4 to C_8 cycloalkyl or C_4 to C_{10} substituted cycloalkyl.

29. (added) A method for producing an antimycobacterial compound comprising the formula of:



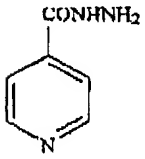
I

wherein R_1 is H or CH_3; and

wherein R_2 is C_1 to C_{14} alkyl, C_2 to C_{10} substituted alkyl, C_2 to C_{10} alkenyl, C_2 to C_9 substituted alkenyl, C_2 to C_9 substituted dialkenyl, C_3 to C_7 cycloalkyl, C_3 to C_7 substituted cycloalkyl, C_7 to C_{16} phenylalkyl, C_7 to C_{16} substituted phenylalkyl, benzyl, substituted benzyl, heterocycle, substituted heterocycle, halo, hydroxy, amino, or carboxy;

which comprises:

refluxing



(I)

with absolute ethanol to produce a solution;

adding a carbonyl compound comprising the formula of:

R_3COR_4 (2)

wherein R_3 = H or CH_3; and

wherein R_4 = C_1 to C_{14} alkyl, C_2 to C_{10} substituted alkyl, C_2 to C_{10} alkenyl, C_2 to C_9 substituted alkenyl, C_2 to C_9 substituted dialkenyl, C_3 to C_7 cycloalkyl, C_3 to C_7 substituted cycloalkyl, C_7 to C_{16} phenylalkyl, C_7 to C_{16} substituted phenylalkyl, benzyl, substituted benzyl, heterocycle, substituted heterocycle, halo, hydroxy, amino, or carboxy;

to the solution to produce a reaction mixture, the reaction mixture having a mole ratio of carbonyl compound to compound (1) of 1.67 to 1.00;

distilling the reaction mixture;

precipitating a solid from the reaction mixture;

filtering the solid; and

drying the solid to obtain I.